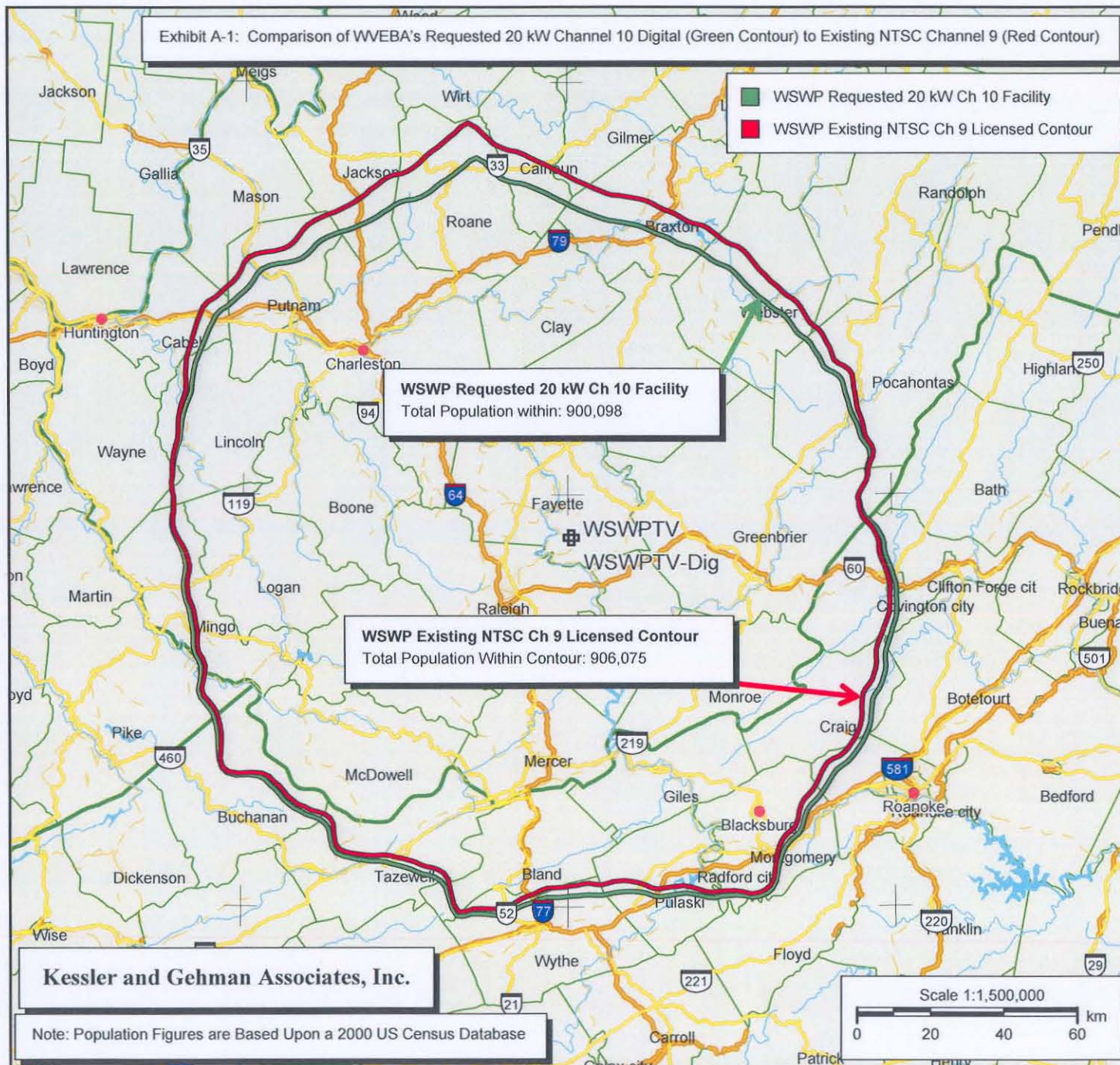


Exhibit A-1

Exhibit A-1: Comparison of WVEBA's Requested 20 kW Channel 10 Digital (Green Contour) to Existing NTSC Channel 9 (Red Contour)



WSWPTV-Dig

DIE THV-C140
 Latitude: 37-53-46 N
 Longitude: 080-59-21 W
 ERP: 20.00 kW
 Channel: 10
 AMSL Height: 1034.0 m
 HAAT: 305.0 m
 Horiz. Pattern: Directional
 Vert. Pattern: Yes
 Elec Tilt: 0.5
 Prop Model: None

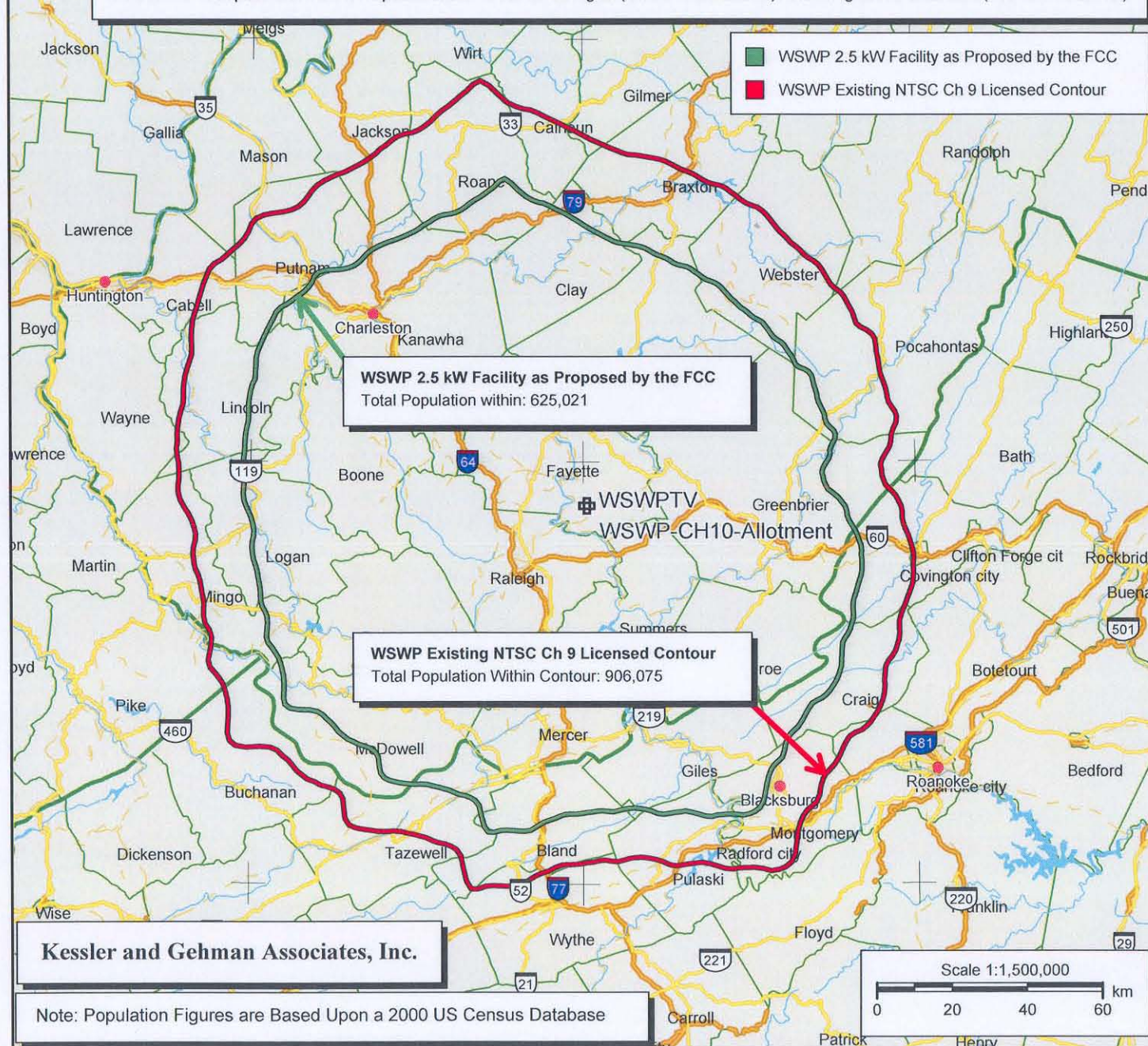
WSWPTV

BLET19830831KF
 Latitude: 37-53-46 N
 Longitude: 080-59-21 W
 ERP: 316.00 kW
 Channel: 09-
 AMSL Height: 1034.0 m
 HAAT: 305.0 m
 Horiz. Pattern: Omni
 Vert. Pattern: Yes
 Elec Tilt: 0.5
 Prop Model: None

Kessler and Gehman Associates, Inc.

EXHIBIT A-2

Exhibit A-2: Comparison of FCC's Proposed 2.5 kW Channel 10 Digital (Green Inner Contour) to existing NTSC Channel 9 (Red Outer Contour)



WSWP-CH10-Allotment

7th FNPRM
Latitude: 37-53-46 N
Longitude: 080-59-21 W
ERP: 2.50 kW
Channel: 10
AMSL Height: 1033.76 m
HAAT: 314.0 m
Horiz. Pattern: Directional
Vert. Pattern: Yes
Elec Tilt: 0.0
Prop Model: None

WSWPTV

BLET19830831KF
Latitude: 37-53-46 N
Longitude: 080-59-21 W
ERP: 316.00 kW
Channel: 09-
AMSL Height: 1034.0 m
HAAT: 305.0 m
Horiz. Pattern: Omni
Vert. Pattern: Yes
Elec Tilt: 0.5
Prop Model: None

EXHIBIT B

EXHIBIT B FROM US CENSUS BUREAU "State & County Quick Facts"

(Exhibit D contains uncompiled data)

	Braxton	Clay	Greenbrier	Logan	McDowell	Mingo	Nicholas	Pocahontas	Webster			WV rank
People QuickFacts	County	County	County	County	County	County	County	County	County	West Virginia	USA	by state
Population, 2005 estimate	14,851	10,356	35,027	36,237	24,273	27,210	26,464	8,851	9,804	1,816,856	296,410,404	
Population, percent change, April 1, 2000 to July 1, 2005	1.00%	0.30%	1.70%	-3.90%	-11.2%	-3.70%	-0.40%	-3.10%	0.90%	0.5%	5.3%	
Population, 2000	14,702	10,330	34,453	37,710	27,329	28,253	26,562	9,131	9,719	1,808,344	281,421,906	
Population, percent change, 1990 to 2000	13.10%	3.50%	-0.70%	-12.40%	-22.4%	-16.30%	-0.80%	1.40%	-9.40%	0.8%	13.1%	
Persons under 5 years old, percent, 2004	5.30%	6.50%	5.30%	6.10%	5.4%	6.40%	4.90%	4.60%	4.60%	5.6%	6.8%	
Persons under 18 years old, percent, 2004	21.10%	23.90%	20.50%	21.20%	21.4%	22.90%	20.90%	19.50%	20.60%	21.2%	25.0%	
Persons 65 years old and over, percent, 2004	15.30%	13.90%	18.10%	14.40%	15.9%	12.90%	15.60%	17.50%	15.60%	15.3%	12.4%	2
Female persons, percent, 2004	49.30%	50.50%	51.70%	51.30%	52.2%	51.70%	51.00%	48.50%	50.90%	51.1%	50.8%	
High school graduates, percent of persons age 25+, 2000	67.30%	63.70%	73.40%	63.10%	50.0%	59.60%	70.00%	70.90%	58.20%	75.2%	80.4%	43
Bachelor's degree or higher, pct of persons age 25+, 2000	9.20%	7.30%	13.60%	8.80%	5.6%	7.30%	9.80%	11.80%	8.70%	14.8%	24.4%	51
Persons with a disability, age 5+, 2000	3,938	2,958	7,897	10,952	10,180	8,971	7,103	2,277	3,121	410,781	49,746,248	
Mean travel time to work (minutes), workers age 16+, 2000	36.7	45	24.3	30.2	32.6	29.6	28.9	31.3	31.5	26.2	25.5	
Housing units, 2004	7,547	4,940	18,140	17,236	13,633	13,255	12,788	7,813	5,395	866,944	122,671,734	
Homeownership rate, 2000	78.20%	79.20%	76.60%	76.80%	80.1%	77.70%	82.80%	80.30%	79.00%	75.2%	66.2%	
Housing units in multi-unit structures, percent, 2000	4.70%	2.70%	8.30%	8.30%	5.4%	9.40%	4.90%	14.60%	5.10%	12.0%	26.4%	
Median value of owner-occupied housing units, 2000	\$59,300	\$55,600	\$71,300	\$62,500	\$22,600	\$61,100	\$60,100	\$64,000	\$47,500	\$72,800	\$119,600	50
Households, 2000	5,771	4,020	14,571	14,880	11,169	11,303	10,722	3,835	4,010	736,481	105,480,101	
Persons per household, 2000	2.46	2.55	2.32	2.5	2.42	2.49	2.46	2.3	2.41	2.4	2.59	
Per capita money income, 1999	\$13,349	\$12,021	\$16,247	\$14,102	\$10,174	\$12,445	\$15,207	\$14,384	\$12,284	\$16,477	\$21,587	
Median household income, 2003	\$26,717	\$24,550	\$29,628	\$26,617	\$18,344	\$23,346	\$27,805	\$27,509	\$23,020	\$32,967	\$43,318	50
Persons below poverty, percent, 2003	19.90%	22.50%	16.10%	21.00%	32.4%	24.70%	19.20%	15.70%	24.10%	16.3%	12.5%	5
Business QuickFacts	Braxton	Clay	Greenbrier	Logan	McDowell	Mingo	Nicholas	Pocahontas	Webster			
Private nonfarm establishments, 2003	County	County	County	County	County	County	County	County	County	West Virginia	USA	
Private nonfarm employment, 2003	320	131	1,006	769	348	554	625	266	183	40,376	7,254,745	
Private nonfarm employment, percent change 2000-2003	2,990	1,168	10,280	9,369	3,259	6,629	6,403	3,560	2,060	561,434	113,398,043	
Nonemployer establishments, 2003	-3.10%	-4.30%	2.00%	0.50%	-12.8%	-2.50%	-10.20%	11.10%	17.60%	0.6%	-0.6%	
Manufacturers shipments, 2002 (\$1000)	645	418	2,194	1,332	595	951	1,342	548	394	86,438	18,649,114	
Geography QuickFacts	NA	NA	116,748	81,263	NA	NA	158,706	NA	NA	18,911,332	3,916,136,712	
Land area, 2000 (square miles)	Braxton	Clay	Greenbrier	Logan	McDowell	Mingo	Nicholas	Pocahontas	Webster			
Persons per square mile, 2000	County	County	County	County	County	County	County	County	County	West Virginia	USA	
FIPS Code	513	342	1,021	454	535	423	649	940	556	24,078	3,537,438	
Metropolitan or Micropolitan Statistical Area	28.6	30.2	33.7	83	51.1	66.9	41	9.7	17.5	75.1	79.6	
	7	15	25	45	47	59	67	75	101	54		
	None	None	None	None	None	None	None	None	None			
			(a) Includes persons reporting only one race.									
			(b) Hispanics may be of any race, so also are included in applicable race categories.									
			FN: Footnote on this item for this area in place of data									
			NA: Not available									
			D: Suppressed to avoid disclosure of confidential information									
			X: Not applicable									
			S: Suppressed; does not meet publication standards									
			Z: Value greater than zero but less than half unit of measure shown									
			F: Fewer than 100 firms									
			Source: US Census Bureau State & County QuickFacts									

EXHIBIT C

EXHIBIT C

United States State County	Total household population 16 and over	Civilian labor force				Armed Forces	Not in labor force
		Total	Employed	Unemployed	Percent unemployed		
United States	209,554,830	135,780,340	128,662,600	7,117,740	5.2	800,110	72,974,380
West Virginia	1,412,720	780,400	727,120	53,280	6.8	1,580	630,740
Barbour County	11,980	6,410	5,890	520	8.1	10	5,560
Berkeley County	57,610	37,740	36,130	1,620	4.3	170	19,700
Boone County	20,170	9,610	8,790	820	8.5	10	10,560
Braxton County	11,240	5,590	5,110	490	8.8	20	5,630
Brooke County	20,030	11,150	10,680	470	4.2	40	8,840
Cabell County	76,480	43,560	40,660	2,900	6.7	80	32,850
Calhoun County	6,110	2,890	2,540	340	11.8	0	3,230
Clay County	7,950	3,610	3,200	420	11.6	0	4,340
Doddridge County	5,760	2,860	2,610	250	8.7	10	2,900
Fayette County	36,590	17,930	16,140	1,790	10.0	40	18,630
Gilmer County	5,510	2,700	2,330	370	13.7	0	2,820
Grant County	8,840	5,320	5,020	310	5.8	0	3,520
Greenbrier County	27,330	14,700	13,490	1,210	8.2	10	12,620
Hampshire County	15,430	9,020	8,570	450	5.0	20	6,390
Hancock County	26,300	15,330	14,480	850	5.5	30	10,950
Hardy County	9,930	6,350	6,130	220	3.5	0	3,570
Harrison County	53,630	30,260	28,070	2,200	7.3	50	23,330
Jackson County	21,740	12,190	11,470	720	5.9	20	9,520
Jefferson County	32,200	22,030	21,140	890	4.0	60	10,110
Kanawha County	159,270	93,630	88,650	4,980	5.3	250	65,390
Lewis County	13,420	7,290	6,740	550	7.5	40	6,100
Lincoln County	17,540	8,030	7,230	800	10.0	0	9,510
Logan County	29,980	13,730	12,280	1,440	10.5	0	16,250
Marion County	45,130	25,360	23,480	1,880	7.4	10	19,760
Marshall County	27,480	15,430	14,440	990	6.4	10	12,040
Mason County	20,520	10,410	9,360	1,050	10.1	20	10,100
McDowell County	21,510	7,050	6,040	1,020	14.5	0	14,460
Mercer County	49,930	25,390	23,360	2,030	8.0	40	24,500
Mineral County	20,960	12,380	11,740	650	5.3	10	8,570
Mingo County	22,150	9,010	8,050	970	10.8	10	13,130
Monongalia County	63,060	38,550	36,220	2,330	6.0	80	24,430
Monroe County	10,510	5,560	5,270	290	5.2	10	4,940
Morgan County	11,800	6,940	6,660	280	4.0	10	4,850
Nicholas County	20,920	10,700	9,880	820	7.7	10	10,220
Ohio County	35,940	21,280	19,880	1,400	6.6	10	14,640
Pendleton County	6,460	3,790	3,520	260	6.9	100	2,580
Pleasants County	5,670	3,190	2,980	210	6.6	0	2,480
Pocahontas County	7,150	3,880	3,630	240	6.2	0	3,270
Preston County	23,000	12,910	12,040	870	6.7	20	10,070
Putnam County	39,820	24,980	23,890	1,090	4.4	90	14,750
Raleigh County	60,640	31,480	29,150	2,330	7.4	180	28,990
Randolph County	21,200	12,260	11,580	680	5.5	10	8,940
Ritchie County	8,240	4,340	4,010	330	7.6	0	3,900
Roane County	12,200	6,260	5,480	790	12.6	10	5,930
Summers County	10,560	4,810	4,210	600	12.5	10	5,740
Taylor County	12,390	6,770	6,280	490	7.2	10	5,610
Tucker County	5,890	3,250	3,000	250	7.7	0	2,630
Tyler County	7,550	3,850	3,480	370	9.6	0	3,690
Upshur County	17,400	9,470	8,770	700	7.4	20	7,920
Wayne County	33,940	17,250	16,180	1,070	6.2	10	16,680
Webster County	7,760	3,400	2,910	500	14.7	10	4,350
Wetzel County	13,850	6,980	6,280	700	10.0	0	6,870
Wirt County	4,560	2,410	2,260	150	6.2	0	2,150
Wood County	68,920	40,770	38,200	2,560	6.3	80	28,070
Wyoming County	20,580	8,370	7,580	790	9.4	0	12,210

EXHIBIT D-1

Exhibit D-1: Signal Strength and Coverage Area of WVEBA's Requested 20 kW Digital Channel 10

Kessler and Gehman Associates, Inc.

WSWPV-Dig

DIE THV-C140

Latitude: 37-53-46 N

Longitude: 080-59-21 W

ERP: 20.00 kW

Channel: 10

AMSL Height: 1034.0 m

HAAT: 314.24 m

Horiz. Pattern: Directional

Vert. Pattern: Yes

Elec Tilt: 0.5

Prop Model: Longley/Rice

Climate: Cont temperate

Conductivity: 0.0050

Dielec Const: 15.0

Refractivity: 301.0

Receiver Ht AG: 10.0 m


Receiver Gain: 0 dB

Time Variability: 90.0%

Sit. Variability: 50.0%

ITM Mode: Broadcast

Population within red
coverage areas only: 409,944

 > 36.0 dBu

WSWPV-Dig

Longley Rice Grid Size: 0.5 KM²

Note: Population Figure is Based Upon a 2000 US Census Database

Scale 1:1,500,000

0 20 40 60 km

EXHIBIT D-2

Exhibit D-2: Signal Strength and Coverage Area of FCC's Proposed 2.5 kW Digital Channel 10

Kessler and Gehman Associates, Inc.

WSWP-CH10-Allotment

7th FNPRM

Latitude: 37-53-46 N

Longitude: 080-59-21 W

ERP: 2.50 kW

Channel: 10

AMSL Height: 1033.76 m

HAAT: 314.0 m

Horiz. Pattern: Directional

Vert. Pattern: Yes

Elec Tilt: 0.0

Prop Model: Longley/Rice

Climate: Cont temperate

Conductivity: 0.0050

Dielec Const: 15.0

Refractivity: 301.0


Receiver Ht AG: 10.0 m

Receiver Gain: 0 dB

Time Variability: 90.0%

Sit. Variability: 50.0%

ITM Mode: Broadcast

 > 36.0 dBu

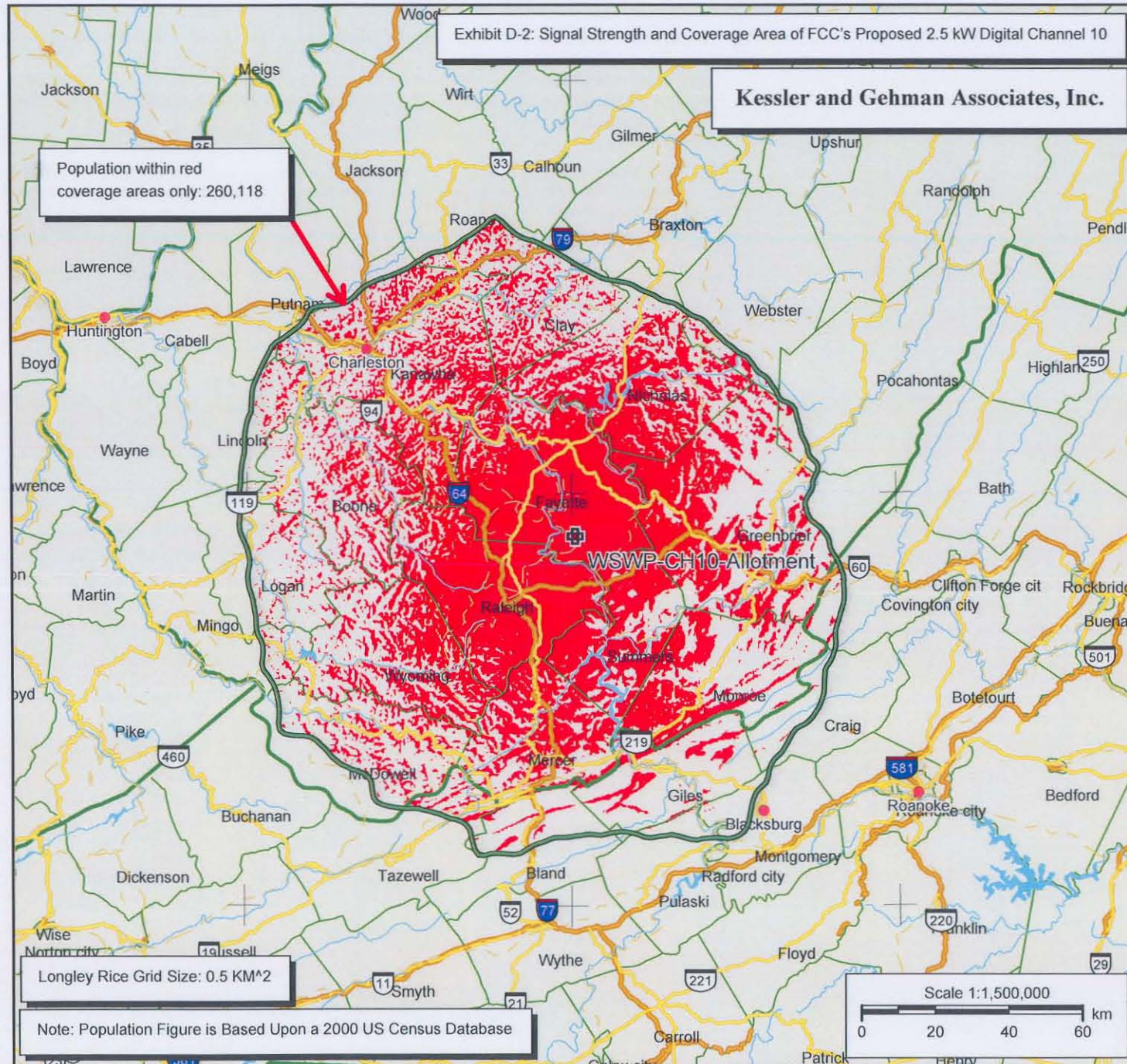


Exhibit E

ENGINEERING TECHNICAL STATEMENT PREPARED BY RYAN WILLOUR OF THE
FIRM KESSLER AND GEHMAN ASSOCIATES, INC., TELECOMMUNICATIONS
CONSULTING ENGINEERS IN CONNECTION WITH A COMPREHENSIVE
INTERFERENCE ANALYSIS TO OPERATE THE WEST VIRGINIA PUBLIC
BROADCASTING AUTHORITY BROADCAST STATION WSWP-DT AT A INCREASED
ERP OF 20 KW IN LIEU OF THE 2.5 KW ERP SPECIFIED IN APPENDIX B OF THE
SEVENTH FURTHER NOTICE OF PROPOSED RULE MAKING¹

DISCUSSION

The firm Kessler and Gehman Associates, Inc. has been retained by West Virginia Educational Broadcasting Authority (“WVEBA”) to prepare a comprehensive engineering analysis to determine the interference impact caused by modifying the ERP for WSWP (facility id 71680) of the Appendix B of the 7th FNPRM ERP from 2.5 kW to 20 kW.

Exhibit E1 summarizes the results from an FCC OET69 analysis with WSWP increasing its ERP from 2.5 kW to 20 kW. The potentially affected facilities listed in the table demonstrate that all the facilities meet the 0.1% interference threshold requirement except for WVFX which is 0.7%. It should be noted that the bold and underlined facilities will no longer be within the scope of the interference analysis in the post transition phase. The facilities in the table have been studied as they are currently permitted and if necessary have also been converted to their parameters as accepted in the in Appendix B of the 7th FNRRM.

¹ *Advanced Television Systems and Their Impact upon the Existing Television Broadcast Service*, MB Docket No. 87-268, FCC 06-150, 21 FCC Rcd 12100 (“7th FNPRM”).

CERTIFICATION

I, Ryan Wilhour, am an associate of Kessler and Gehman Associates, Inc. having offices in Gainesville, Florida and have been working in the field of radio and television broadcast consulting since 1996. I am a graduate of the University of Florida with a Bachelor of Science degree in electrical engineering. The foregoing statement and the report regarding the aforementioned engineering work are true and correct to the best of my knowledge.

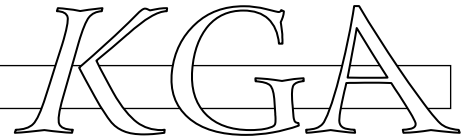


Ryan Wilhour

A handwritten signature in blue ink that reads 'Ryan Wilhour'. The signature is written in a cursive, flowing style.

Consulting Engineer
January 9, 2007

KESSLER & GEHMAN ASSOCIATES, INC.
TELECOMMUNICATIONS CONSULTING ENGINEERS



TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 01-06-2007 Time: 05:53:02

Record Selected for Analysis

WSWPTV-D USERRECORD-01

GRANDVIEW

WV US

Channel 10 ERP 20. kW HAAT 314. m RCAMSL 01034 m

Latitude 037-53-46 Longitude 0080-59-21

Status APP Zone 1 Border

Dir Antenna Make usr Model USRPAT01

Beam tilt N Ref Azimuth 197.

Last update

Cutoff date

Docket

Comments

Applicant

Cell Size for Service Analysis 2.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Population based upon the 2000 US Census Database

Facility meets maximum height/power limits

Azimuth (Deg)	ERP (kW)	HAAT (m)	36.0 dBu F(50,90) (km)
0.0	5.665	314.2	89.0
45.0	6.276	201.2	83.2
90.0	13.262	152.8	84.6
135.0	19.515	281.9	96.7
180.0	19.908	275.4	96.6
225.0	19.952	378.1	103.8
270.0	18.710	429.7	107.2
315.0	11.047	472.3	105.7

Evaluation toward Class A Stations

No Spacing violations or contour overlap to Class A stations

Class A Evaluation Complete

SPACING VIOLATION FOUND BETWEEN STATION

WSWPTV-D 10 GRANDVIEW
and station

WV USERRECORD01

SHORT TO: WSLT-TV 10 ROANOKE

VA BLCT

19990813LD

037-12- 3 0080-08-54

Req. separation 244.6 Actual separation 107.1 Short 137.5 km

SHORT TO: WVFX 10 CLARKSBURG

WV BMPCDT

20020930AAV

039-18- 2 0080-20-37

Req. separation 244.6 Actual separation 165.7 Short 78.9 km

SHORT TO: WVFX 10 CLARKSBURG

WV BPRM

20000328AAA

039-18- 2 0080-20-37

Req. separation 244.6 Actual separation 165.7 Short 78.9 km

SHORT TO: WVAH-TV 11 CHARLESTON

WV BPCT

20030728ADD

038-24-28 0081-54-13

Req. separation => 9.0 <= 125.0 Actual separation 98.2 Short 26.8(89.2) km

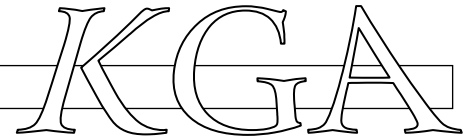
SHORT TO: WVAH-TV 11 CHARLESTON

WV BLCT

19880421KF

038-25-15 0081-55-27

KESSLER & GEHMAN ASSOCIATES, INC.
TELECOMMUNICATIONS CONSULTING ENGINEERS



Req. separation => 9.0 <= 125.0 Actual separation 100.5 Short 24.5(91.5) km

Proposed facility OK to FCC Monitoring Stations
Proposed facility OK toward West Virginia quite zone
Proposed facility OK toward Table Mountain
Proposed facility is beyond the Canadian coordination distance
Proposed facility is beyond the Mexican coordination distance
Proposed station is OK toward AM broadcast stations

Start of Interference Analysis

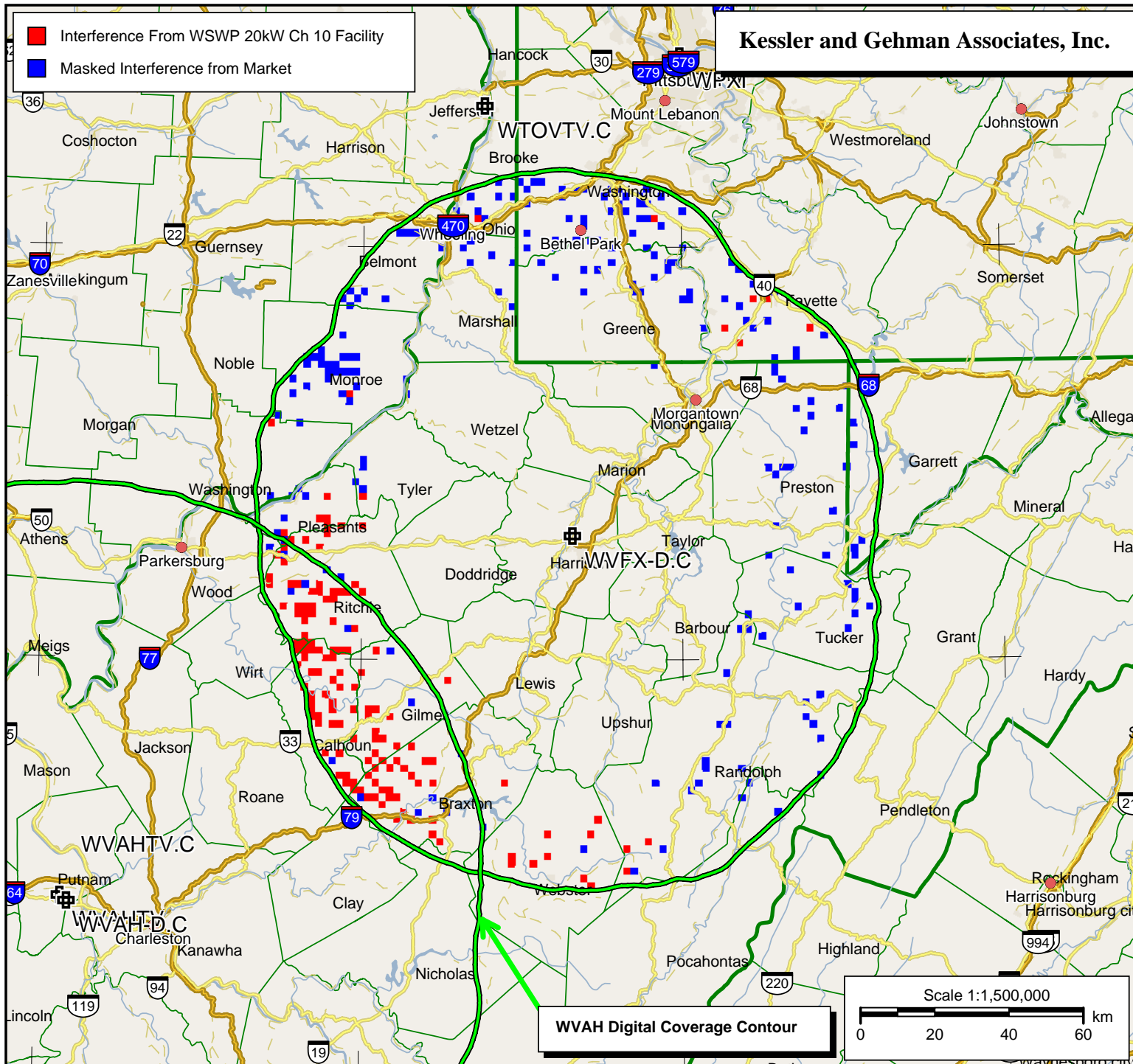
	Proposed Station	
Channel	Call	City/State
10	WSWPTV-D	GRANDVIEW WV
	ARN	
	USERRECORD01	

Stations Potentially Affected by Proposed Station

Current Chan	Post Trans Channel	Call	City/State	Application Ref. No.	Predicted Interference
10	10	WNCT-TV	GREENVILLE NC	BMPCDT-20040730ARH	0.0%
10	10	WNCT-DT	GREENVILLE NC	DTVPLN-DTVP0073	0.0%
10	10	WCPO-DT	CINCINNATI OH	DTVPLN-DTVP0075	0.0%
10	21	WBNS-TV	COLUMBUS OH	BLCT-19820708KF	N/A
10	10	WOIO	SHAKER HEIGHTS OH	BLCDT-19991110AAR	0.0%
10	10	WOIO-DT	SHAKER HEIGHTS OH	DTVPLN-DTVP0076	0.0%
10	32	WTAJ-TV	ALTOONA PA	BMLCT-20041201AWB	N/A
10	10	WIS	COLUMBIA SC	BLCT-20030210ABB	0.0%
10	10	WIS	COLUMBIA SC	BPCT-20000501AEZ	0.0%
10	10	WBIR-TV	KNOXVILLE TN	BLCT-19800109KE	0.1%
10	31	WAVY-TV	PORTSMOUTH VA	BMLCT-19960821KE	N/A
10	30	WSLS-TV	ROANOKE VA	BLCT-19990813LD	N/A
10	N/A	WAZT-CA	WOODSTOCK VA	BLTVA-20030718ADF	0.0%
10	10	WVFX	CLARKSBURG WV	BMPCDT-20020930AAV	0.7%
10	10	WVFX	CLARKSBURG WV	BPRM-20000328AAA	0.6%
11	11	WJHL-TV	JOHNSON CITY TN	BLCT-2111	0.0%
11	11	WVPT	STAUNTON VA	BLEDT-20021220ADX	0.0%
11	11	WVPT-DT	STAUNTON VA	DTVPLN-DTVP0091	0.0%
11	19	WVAH-TV	CHARLESTON WV	BPCT-20030728ADD	N/A
11	19	WVAH-TV	CHARLESTON WV	BLCT-19880421KF	N/A

NOTE: Stations which are bold and underlined will no longer be co-channel or first adjacent channel to WSWP-DT in the post transition phase and as such were not considered in the interference analysis.

EXHIBIT F



WVFX-D.C

BMPCDT20020930AAV
Latitude: 39-18-02 N
Longitude: 080-20-37 W
ERP: 30.00 kW
Channel: 10
AMSL Height: 596.0 m
HAAT: 235.0 m
Horiz. Pattern: Directional
Vert. Pattern: Yes
Elec Tilt: 0.0
Prop Model: Longley/Rice
Climate: Cont temperate
Conductivity: 0.0050
Dielec Const: 15.0
Refractivity: 301.0
Receiver Ht AG: 10.0 m
Receiver Gain: 0 dB
Time Variability: 90.0%
Sit. Variability: 50.0%
ITM Mode: Broadcast

WSWPTV-Dig

DIE THV-C140
Latitude: 37-53-46 N
Longitude: 080-59-21 W
ERP: 20.00 kW
Channel: 10
AMSL Height: 1034.0 m
HAAT: 305.0 m
Horiz. Pattern: Directional
Vert. Pattern: Yes
Elec Tilt: 0.0
Prop Model: Longley/Rice
Climate: Cont temperate
Conductivity: 0.0050
Dielec Const: 15.0
Refractivity: 301.0
Receiver Ht AG: 10.0 m
Receiver Gain: 0 dB
Time Variability: 10.0%
Sit. Variability: 50.0%
ITM Mode: Broadcast

Exhibit F